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II Semester B.Sc. Degree Examination, September - 2021

ZOOLOGY

Non-Chordata

CBCS Scheme 2018-19 Onwards (Freshers & Repeaters)

Paper-II

Time : 3 Hours

Maximum Marks : 70

Instructions to Candidates:

1. Answer should be completely in English.
2. Draw neat labelled diagrams wherever necessary.

PART - A

I. Answer the following in **one** word or one sentence each.

(10×1=10)

1. Define haemocoel.
2. What are biramous appendages?
3. What is ocellus?
4. Mention the function of ctenidium.
5. Give an example for scaphopoda.
6. Define autotomy.
7. Give scientific name of Sea star.
8. Name the larva of Balanoglossus.
9. Give any one biproduct of Sericulture.
10. What is Pearl culture?

PART - B

II. Answer any **Five** of the following.

(5×3=15)

11. List out any three arthropodan characters of Peripatus.
12. Briefly explain bookgills.
13. Explain ametabola with an example.
14. Sketch and label sectional view of shell of Unio.
15. Give any two classes of Echinodermata.
16. Name the trunk divisions of Balanoglossus.
17. Write a short note on Pests of Silkworms.

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PART - C

III. Answer any **Five** of the following.

(5×5=25)

18. Write a note on concept of serial homology in Palaemon.
19. With appropriate diagram describe the structure of ommatidium.
20. Enumerate the general characters of Phylum mollusca.
21. Describe the structure of Glochidium larva with a neat labelled diagram.
22. Write notes on:
 - a) Bipinnaria larva
 - b) Systemic position of Hemichordata.
23. List out biproducts of Apiculture.
24. Explain methods of prawn preservation.

PART - D

IV. Answer any **Two** of the following.

(2×10=20)

25. Enumerate the general characters of phylum Arthropoda and classify it upto classes with one example for each.
26. With the help of suitable diagram explain the digestive system of Unio.
27. Describe water vascular system of sea-star with a neat labelled diagram.
28. Give an account of bee-keeping and management practices.

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